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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Kui-Chiu KWOK

Appl. No. 09/528,357

Filed: 18 March 2000

For: "Meltblowing Method And Apparatus"

Examiner J. Del Sole

Art Unit 1732

Atty. Docket No. 8010-61

OFFICIAL

RESPONSE UNDER 37 CFR 1.111

Assistant Commissioner for Patents
Alexandria, Virginia 22313

SIR:

Kindly consider the following amendment before further examination of the referenced application.

In the Detailed Description:

Substitute the paragraph beginning on page 6, at line 22 and ending on page 7, line 12 with the following:

Kui-Chiu KWOK
"Meltblowing Method And Apparatus"
Atty. Docket No. 8010-61

Appl. No. 09/528,357
Confirm. No. 4073
Examiner J. Del Sole, AU 1732

The method may be practiced, more generally, by dispensing the first fluid to form a plurality of first fluid flows F1 at the first velocity and dispensing the second fluid to form a plurality of second fluid flows F2 at the second velocity, wherein the plurality of first fluid flows F1 and the plurality of second fluid flows F2 are arranged in an alternating series so that each of the plurality of first fluid flows F1 is flanked on substantially opposing sides by one of the plurality of second fluid flows F2. According to this configuration, each of the plurality of first fluid flows F1 in the alternating series has one of the plurality of second fluid flows F2 on substantially opposing sides of the first fluid flow F1. In one embodiment, the plurality of first and second fluid orifices are arranged in a common series. The second velocity of the plurality of second fluid flows F2 is greater than the first velocity of the plurality of first fluid flows F1 so that the plurality of second fluid flows F2 draws and attenuates the plurality of first fluid flows F1 to form a plurality of first fluid filaments FF. The plurality of first fluid flows F1 and the plurality of second fluid flows F2 along the substantially opposing flanking sides of the first fluid flows F1 are directed generally non-convergently as discussed above. According to this mode of practicing the invention, the arrangement of the plurality of first and second fluid flows in an alternating series utilizes relatively effectively the shear component of the plurality of second fluid flows F2 for drawing and attenuating the plurality of first fluid flows F1 to form the plurality of first fluid filaments.

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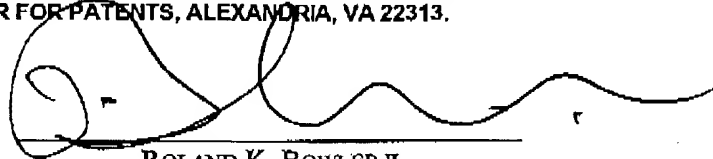
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ROLAND K. BOWLER II

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|---|---|--------------------------|
| In re application of: |) | |
| |) | Examiner J. Del Sole |
| Kui-Chiu KWOK |) | |
| |) | Art Unit 1732 |
| Appl. No. 09/528,357 |) | |
| |) | Atty. Docket No. 8010-61 |
| Confirm. No. 4073 |) | |
| |) | |
| Filed: 18 March 2000 |) | |
| For: "Meltblowing Method And Apparatus" | | |

TRANSMITTAL UNDER 37 CFR 1.111

Commissioner for Patents
Alexandria, Virginia 22313

Kui-Chiu KWOK
"Meltblowing Method And Apparatus"
Atty. Docket No. 8010-61

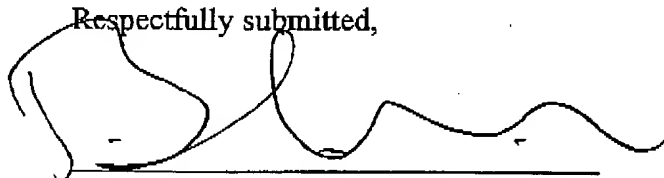
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Sir:

The following is enclosed in connection with the non-final Office Action
mailed on 3 June 2004:

☒ Response Under 37 CFR 1.111 (10 pages)
☒ Terminal Disclaimer Under 37 CFR 1.321 (2 pages);
☒ The Commissioner for Patents & Trademarks is hereby authorized to
debit any additional fees required under 37 CFR 1.120(d) and 37 C.F.R. 1.16 and 1.17
from, and to credit any excess fees paid herewith to, **Deposit Account No. 02-3290** of
the undersigned in connection with the papers presented herewith.

Respectfully submitted,



ROLAND K. BOWLER II
REG. NO. 33,477

22 JULY 2004

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